

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

MANUFACTURER

Raabe Corporation
N92 W14701 Anthony Ave.
Menomonee Falls, WI 53052-1090
PREPARED BY: Bob Beth
COMPANY

EMERGENCY PHONE NUMBERS

INFORMATION: 800-966-7580
CHEMTREC: 800-424-9300 (24 HRS.)

MSDS CODE #: MSDS52

PRODUCT USE/CLASS:
Acrylic Enamel Aerosol Paint

PREPARE DATE: 5/7/96,

PRODUCT IDENTIFICATION

PRINT DATE 10/25/96
RAABE PART# 8858-01

Amerimax Home Products, Inc.

85-242 BROWN

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	WT % LESS THAN	ACGIH		OSHA		SKIN
			TLV TWA	TLV STEL	PEL TWA	PEL STEL	
ACETONE	67-64-1	36 %	750 ppm	1000 ppm	750 ppm	1000 ppm	NO
PROPYLENE GLYCOL METHYL ETHER ACETATE	108-65-6	20 %	N.E.	N.E.	N.E.	N.E.	NO
ALKYD RESIN	N.E.	14 %	NOT HAZARDOUS				NO
ALUMINUM	7429-90-5	2 %	10 mg/m3	N.E.	N.E.	N.E.	NO
N-BUTYL ACETATE	123-86-4	2 %	150 ppm	200 ppm	150 ppm	N.E.	NO
ETHYLBENZENE	100-41-4	3 %	100 ppm	125 ppm	N.E.	N.E.	NO
N-BUTANE	106-97-8	8 %	800 ppm	N.E.	800 ppm	N.E.	NO
PROPANE	74-98-6	16 %	1000 ppm	N.E.	N.E.	N.E.	NO
AMORPHOUS PRECIPITATED SILICA	112926-00-8	2 %	10 mg/m3	N.E.	N.E.	N.E.	NO
TRIMETHYLBENZENE (MIXED ISOMERS)	25551-13-7	2 %	25 ppm	N.E.	25 ppm	N.E.	NO
1,2,4 TRIMETHYLBENZENE	95-63-6	2 %	25 ppm	N.E.	N.E.	N.E.	NO
XYLENE	1330-20-7	16 %	100 ppm	150 ppm	100 ppm	N.E.	NO
ACRYLIC POLYMER	N.D.	3%	NOT HAZARDOUS				NO
ORGANIC & INORGANIC PIGMENTS	N.E.	10%	NOT HAZARDOUS				NO

(See Section 16 for abbreviation legend)

SECTION 3 - HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW ***:** Harmful if inhaled. Causes eye irritation. Causes skin irritation. Vapors irritating to eyes and respiratory tract. Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion. Extremely flammable aerosol. Contents under pressure.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: May cause severe eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May cause skin irritation.

EFFECTS OF OVEREXPOSURE - INHALATION: Exposure to high concentrations of vapors may cause dizziness, breathing difficulty, headaches or respiratory irritation. Extremely high concentrations may cause drowsiness, staggering, confusion, unconsciousness, coma or death. Liquid or vapor may be irritating to skin, eyes, throat or lungs. Prolonged inhalation of dusts containing free silica may result in the development of a disabling pulmonary fibrosis (lung disease) known as silicosis. Intentional misuse by deliberately concentrating and inhaling the contents of this product can be harmful or fatal.

EFFECTS OF OVEREXPOSURE - INGESTION: Moderately toxic. May cause stomach discomfort, nausea, vomiting, diarrhea, and narcosis. Aspiration of material into the lungs if swallowed or if vomiting occurs can cause chemical pneumonitis which can be fatal.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Chronic overexposure to a component or components in this material has been found to cause the following effects in laboratory animals: Kidney damage, Eye damage, Liver damage, Anemia. Chronic overexposure to a component or components in this

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product has been suggested as a cause of the following effects in humans. Cardiac abnormalities Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage

PRIMARY ROUTE(S) OF ENTRY

INHALATION EYE CONTACT SKIN CONTACT SKIN ABSORPTION INGESTION

SECTION 4 - FIRST AID MEASURES

FIRST AID - EYE CONTACT Immediately flush eyes with plenty of water Get medical attention, if irritation persists

FIRST AID - SKIN CONTACT Wash thoroughly with soap and water and seek medical attention. Remove contaminated clothing. Launder contaminated clothing before reuse

FIRST AID - INHALATION For inhalation overexposure, move person to fresh air. If breathing stops, apply artificial respiration and seek medical attention.

FIRST AID - INGESTION Since this product may contain materials which can cause lung damage if aspirated into the lungs, the decision whether to induce vomiting or not must be made by a physician after careful consideration of all materials ingested

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: < -25°F (TAGLIABUE CLOSED CUP)

LOWER EXPLOSIVE LIMIT: 0.8 %

UPPER EXPLOSIVE LIMIT: 13.1 %

EXTINGUISHING MEDIA DRY CHEMICAL CO2 FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS. Contents under pressure Do not use or store near sources of heat, sparks or open flame Keep away from any source of heat such as sunlight, heaters or stoves that could cause the container to burst. Do not puncture or incinerate Do not crush or place in a garbage compactor. Do not store above 120 degrees F Aerosol containers may explode when exposed to extreme heat Product vapors are heavier than air and may travel a long distance to a source of ignition and flash back.

SPECIAL FIREFIGHTING PROCEDURES. Full protective equipment including self-contained breathing apparatus to avoid inhalation of vapors should be used Water spray should not be used except to keep down vapors or cool closed containers to prevent build-up of pressure. If water is used, fog nozzles are preferred. When fighting a fire involving aluminum paste, do not use a water stream or halogenated extinguishing agents

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition Avoid heat, sparks, flames and anything which could cause fire. Ventilate area of spill and adjacent low lying areas Avoid breathing solvent vapors. Remove with inert absorbant materials and non-sparking tools.

SECTION 7 - HANDLING AND STORAGE

HANDLING Wash hands thoroughly after handling.

STORAGE. Store in a cool dry area with ventilation suitable for storing materials shown in section 2. Keep away from heat, sparks and flame. Store in a cool place away from direct sunlight or any source of ignition. Do not store at temperatures above 120 degrees F

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below current applicable OSHA permissible exposure limit or ACGIH's TLV limit

RESPIRATORY PROTECTION If workplace exposure limits are exceeded for any component (see section 2 for hazardous components and exposure limits), a NIOSH/OSHA approved respirator suitable for components listed is recommended

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SKIN PROTECTION. Chemical resistant plastic or rubber gloves recommended for prolonged or repeated contact

EYE PROTECTION. Chemical goggles with side shields or face shield recommended if contact with the eyes is likely

OTHER PROTECTIVE EQUIPMENT. Appropriate impervious clothing is recommended if prolonged or repeated contact is likely.

HYGIENIC PRACTICES: Wash hands before eating or smoking. Smoke in designated areas only.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	-44 - 344° F	VAPOR DENSITY:	Is heavier than air
ODOR	Solvent Odor	EVAPORATION RATE	Is faster than Butyl Acetate
APPEARANCE	Opaque Liquid	SPECIFIC GRAVITY.	0.7608 - 8017
VOLATILE BY VOLUME.	85.7 - 90.7%	VOLATILE BY WEIGHT	77.5% - 85.7%
SOLUBILITY IN H ₂ O	Unknown	(See Section 16 for abbreviation legend)	

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid contact with heat, sparks, and open flame.

INCOMPATIBILITY: Aluminum flake can react violently with halogenated hydrocarbons including halogenated fire extinguishing agents. Aluminum flake can also react with some acids, caustic solutions.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon dioxide, carbon monoxide, and unidentifiable organic materials.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES

No product or component toxicological information is available.

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD. Place in closed containers. Dispose of product in accordance with local, county, state, and federal regulations.

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME:	CONSUMER COMMODITY				
DOT TECHNICAL NAME	N.A.	DOT HAZARD CLASS	ORM-D	HAZARD SUBCLASS:	N.A.
DOT UN/NA NUMBER.	NONE	PACKING GROUP	N.A.	RESP. GUIDE PAGE.	N.A.

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS, AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY. This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

SARA SECTION 313. This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>WT%</u>
ACETONE	67-64-1	36 %
ALUMINUM	7429-90-5	2 %
ETHYL BENZENE	100-41-4	3 %
TRIMETHYLBENZENE (MIXED ISOMERS)	25551-13-7	2 %
1,2,4 TRIMETHYLBENZENE	95-63-6	2 %
XYLENE	1330-20-7	16 %

TOXIC SUBSTANCES CONTROL ACT: The chemical substances in this product are on the TSCA Section 8 Inventory. This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>
ACETONE	67-64-1
N-BUTYL ACETATE	123-86-4

CANADA: All materials in this product are listed on the Canadian Domestic Substances List

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>
ACRYLIC POLYMER	N.E.
ALKYD RESIN	N.E.
ORGANIC & INORGANIC PIGMENTS	N.E.

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>
ACRYLIC POLYMER	N.E.
ALKYD RESIN	N.E.
ORGANIC & INORGANIC PIGMENTS	N.E.

CALIFORNIA PROPOSITION 65

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm. No Proposition 65 chemicals exist in this product.

SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 0 PERSONAL PROTECTION: G
PREVIOUS MSDS REVISION DATE: 12/15/94

VOLATILE ORGANIC COMPOUNDS (including acetone as a VOC): 5.17 - 5.20 lbs/gal. 620 - 624 grams/liter
VOLATILE ORGANIC COMPOUNDS (with acetone exempt): 4.40 - 4.51 lbs/gal. 527 - 540 g/l. 42.4 - 46.9% by wt.
LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS is, to the best of our knowledge and belief, accurate. Since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.